Additional Focused Grants, Designated Actions, and Proposals Recommended by the Integration Panel for 1998

Page	Subject	Type of Funding	Geographic Area	Primary Stressor	Funding Range: Low	Funding Range: High	General Description	Roundtable Comments	Management Team Comments
1	Research Program - Fish Harvest	Grant	Landscape	Adverse Harvest Impacts	500,000	500,000	Research to refine estimates of harvest impacts on sensitive salmon population and to develop tools to decrease the effects of freshwater/ocean harvest on wild stock.	Successful applicants should be familiar with California fishery's practices.	Needs to be coordinated with DFG and NMFS.
3	Research Program - Open Topics	Grant	Landscape	All	3,000,000	3,000,000	Topics may be of both applied and theoretical interest. Topics are unlimited except that there must be a distinct link to the ERPP. Funding of $1m for each of three years.	Concerned that research should be lean and mean and focused on answering questions essential to proceeding with implementation.	Concerned that package had too much research funding and not enough implementation.
4	Watershed Planning	Grant	Landscape	All	1,000,000	2,500,000	Development and implementation of restoration projects and plans by new or existing watershed groups.	Some felt the write-up was too general.	Wanted to know if upper watershed allowed to compete.
5	Education	Grant	Landscape	All	300,000	300,000	Develop public education programs, restoration training programs, mentoring, internships, adopt-a-stream programs.	General support but not for mass media. No consensus on concepts related to training for technicians.	
7	Gravel Restoration	Designated Action	Landscape	Channel Form Changes	0	500,000	Provide matching funds for the CVPIA gravel restoration program. Note that matching funds may have already been funded from Prop 204.	Should be coordinated with CVPIA and not implemented if CVPIA buget can cover. May be better spent on broader sediment issues.	Need to coordinate with CVPIA.
8	Small Diversion Fish Screens	Designated Action	Landscape	Entrainment	900,000	900,000	Funding for the NRCS small screen program. Must coordinate with local agencies/interest groups.	Make sure NRCS has staff to implement. Questioned why proceeding at same time as 9.	NRCS indicated that this amount of funding was "doable" for their program.

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9	Research Program - Small Diversion Fish Screens	Grant	Landscape	Entrainment	100,000	100,000	Research to determine the biological benefit of screening small diversions.		Questioned why 8 and 9 going at the same time.
10	Fish Passage Assessment	Grant	Landscape	Entrainment	500,000	1,000,000	Develop a list of dams which are candidates for removal. Include a concurrent evaluation of fish passage problems at these dams.		Indicated that previous efforts had likely already addressed this need.
11	Fish Passage	Grant	Landscape	Entrainment	3,000,000	5,000,000	Fish passage actions. Projects must be located in areas where high quality habitat will be made accessible to high priority fish species.	One of the best restoration investments.	Agreed with Roundtable.
12	Research Program - Alternatives to Fish Screens	Grant	Landscape	Entrainment	500,000	500,000	Research to develop an array of techniques, other than fish screens, to reduce fish entrainment at diversions.		Wanted evaluation of previous efforts. Believed this had been taken care of.
13	Floodplain Acquisition	Grant	Landscape	Floodplain Changes	12,000,000	12,000,000	Use the 1997 priorities to acquire fee title or permanent easement for lands within the floodplains of the major rivers or their tributaries.		Considerable discussion about effects of land acquisition/easement on ag.
14	Habitat Restoration in Flood Control Bypasses	Grant	Sacramento Mainstem	Floodplain Changes	1,200,000	1,200,000	Feasibility analysis to study the opportunity to improving existing habitats, eleminating fish passage barriers, reducing entrainment, and developing wildlife/fishery compatible levee maintenance within flood control bypasses.		
15	Habitat Restoration Demonstration Projects	Grant	Landscape	Floodplain/ Marshplain Changes	2,000,000	2,000,000	Habitat restoration and/or creation demonstration projects. May include restoration projects recently funded by Category III. Must be in locations accessible to the public.	Some suggested funding be increased.	

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16	Fish Hatchery Review	Grant	Landscape	Population Management/ Artificial Propagation	250,000	250,000	Planning study to design a comprehensive plan to review operations at the five hatcheries on the American, Merced, Mokelumne, Sacramento, and Feather Rivers.	Do not duplicate current efforts (Coleman). Funding insufficient for full review. Should reference mitigation role of hatcheries.	Agreed that we shouldn't duplicate efforts.
17	Research Program - Selected Species Life History Studies	Grant	Landscape	Population Management/ Artificial Propagation	600,000	600,000	Research, including field data and models, to complete life history studies on green sturgeon, steelhead, and spring run salmon. Emphasis on techniques to use for restoration of these species.		
18	Research Program - Introduced Species	Grant	Delta	Undesirable Species Interactions	1,250,000	1,250,000	Develop an inventory, determine ecological effects, and develop permanent control efforts for introducted species in the Bay Delta.	Build on SFEI Cat III project.	Wanted to focus on preventing future introductions and focus on implementation.
20	Impacts of Pesticides on Aquatic Invertebrates in the Delta	Designated Action first, then Grant	Landscape	Water Quality	1,500,000	1,500,000	Determine ecological impact of pesticides on invertebrates. The IEP will be asked to design the monitoring program and then a grant process will be used to select the entity to complete the work.	Suggested meeting to ensure better coordination with ag community and DPR on the water quality actions.	Recognized that this and other water quality impact evaluations wre necessary to address on-going info gaps.
22	Baseline Pesticide Monitoring	Designated Action first, then Grant	Landscape	Water Quality	500,000	500,000	Identify water bodies most at risk from pesticide exposure. The IEP will be asked to design the monitoring program and then a grant process will be used to select the entity to implement the work.		
24	Fathead Minnow Toxicity in the Sacramento River	Designated Action first, then Grant	Sacramento Mainstem	Water Quality	400,000	400,000	Determine cause of observed toxicity to fathead minnows in the Sacramento River. The Regional Board will be asked to design the research and then a grant process will be used to select the entity to implement the program.		

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25	Algal Toxicity	Designated Action first, then Grant	Landscape	Water Quality	500,000	500,000	Determine cause of observed algal toxicity in agricultural and urban drainages on Sac River, SJ River and Delta. The Regional Board will be asked to design the research and then a grant process will be used to select the entity to implement the program.		
26	Water Quality Criteria for Chlorpyrifos and Diazinon	Designated Action	Landscape	Water Quality	100,000	100,000	Complete the four toxicity tests needed to fill data gaps and then calculate final criteria. The DFG will be asked to complete the work.		
27	Chronic Fish Impairment Studies	Designated Action first, then Grant	Delta	Water Quality	700,000	700,000	Monitoring/research study to evaluate direct chronic impacts of contaminants on important Delta fish species. The IEP will be asked to design the program and then the grant process will be used to select an entity to carry out the work.		
28	Integrated Pest Management in Suisun Bay	Proposal	Suisun Bay	Water Quality	266,000	266,000	Fund proposal B236. The project builds on an on-going pilot project to reduce pesticide concentrations in the urban runoff which is discharged into the Suisun Bay.		
31	Sediment Reuse and Toxicity Criteria	Designated Action first, then Grant	Delta	Water Quality	500,000	500,000	Research to determine if Delta sediment is toxic to the aquatic ecosystem and to find beneficial reuse options. The Delta Levees and Habitat Comm. will be asked to design the research then a grant process will be used to select entities to do the work.		
32	Water Acquisition	Designated Action	Landscape	Hydrograph Alteration	20,000,000	20,000,000	Water acquisition for environmental restoration purposes.	Roundtable members continuing to work to find consensus on this item.	Management Team briefed on Roundtable efforts.
				TOTAL FUNDED:	**51,566,000**	**56,066,000**			